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The following are downtimes for 2009 and 2010

DSS-43 downtime for Life Extension and Depot Level Maintenance is scheduled for January 5 through April 12, 2009, weeks 2 – 15 □ DTRR approved the start of the downtime.
DSS-26 downtime for X/KA HMT Maintenance is planned for 3 days, February 10, 11 & 12 of 2009.
Also scheduled during this time is a request for Ka-band Upgrade.
DSS-14 3-day Grouting is planned for April of 2009 week 16. □ Scheduled for DOYs 107 - 109.
Still a few conflicts to be resolved at conflict negotiation meeting.
Complex corrective maintenance "G86/G81 Transfer Switch Electrical Maintenance" Will look for time in the middle of April.
Complex preventative maintenance "Echo Tie-Line Electrical Maintenance" has been moved to start after the Apollo Tie-Line Electrical Maintenance. Kepler launch is scheduled for DOY 065 Looking to schedule the first part of May.
DSS-63 downtime for El Bearing Replacement and Depot Level Maintenance (including grouting) is re-scheduled for May 4 through June 28, 2009, weeks 19 - 26. All supports have been moved to other antenna during this downtime. Additional time will be added to the 2011 downtime.
DSS-54 downtime for Ka-Band Phase 2 is scheduled for June 29 through September 27, 2009, weeks 27 – 39. This downtime must end prior to the end of the fiscal year.

The following are downtimes for 2009 and 2010 (cont'd)

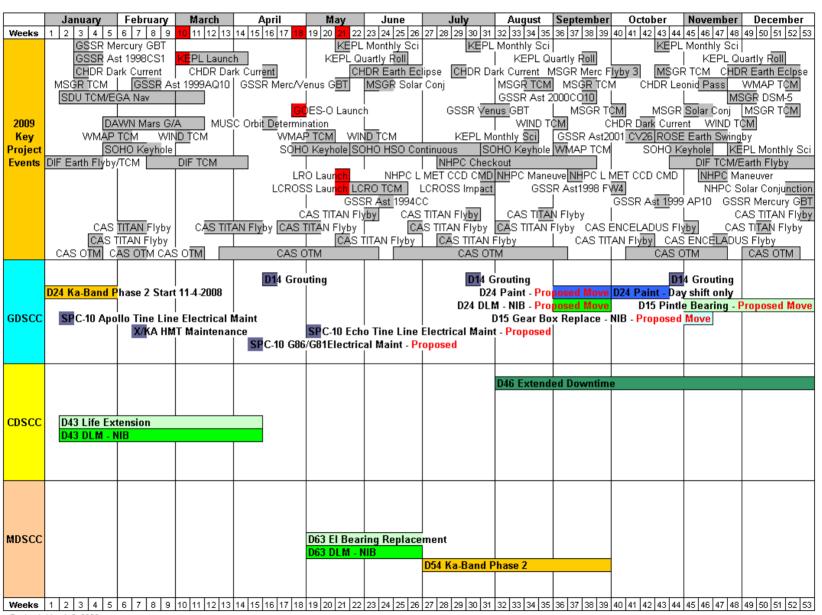
DSS-14 downtime for Life Extension and Depot Level Maintenance will start October 3, 2009 and end May 2, 2010 weeks 40-17 This downtime is proposed to move to 2010, weeks 10-40, March 8 through October 10, 2010.
 DSS-14 3-day Grouting is planned for July and October of 2009 weeks 30 & 44. □ With the shift of the Life Extension and Depot Level Maintenance to 2010, 2 additional grouting periods will be needed in 2009 □ Scheduled for DOYs 202-204 □ Scheduled for DOYs 300-302 □ Still a few conflicts to be resolved at conflict negotiation meeting.
DSS-24 downtime for painting is scheduled August 24 through October 18, 2010 weeks 35 − 42 □ This downtime is proposed to move to weeks 36-43, August 31 through September 25, 2009. □ All supports have been moved to other antenna during this downtime. □ There will be complete 24/7 downtime for the first 4 weeks and dayshift downtime (1400-0200) for the remaining weeks. □ Depot Level Maintenance will be scheduled the first 4 weeks of this downtime.
DSS-15 downtime for Pintle Bearing is scheduled for May 31 through July 25, 2010, weeks 22 - 28. This downtime is proposed to move to weeks 45-53 November 2, 2009 through January 3, 2010 DSS 15 Elevation Gearbox Replacement will be scheduled NIB in weeks 45 & 46.
DSS-34 downtime for Azimuth Track Replacement is scheduled February 1 through April 11, 2010, weeks 5 – 14. □ This also includes M1-5 Mirror Alignment and M5 Support Ring Replacement.
DSS-65 downtime for Life Extension Elevation is scheduled for August 2 through October 3, 2010, weeks 31 - 39. □ All supports have been moved to other antenna during this downtime.

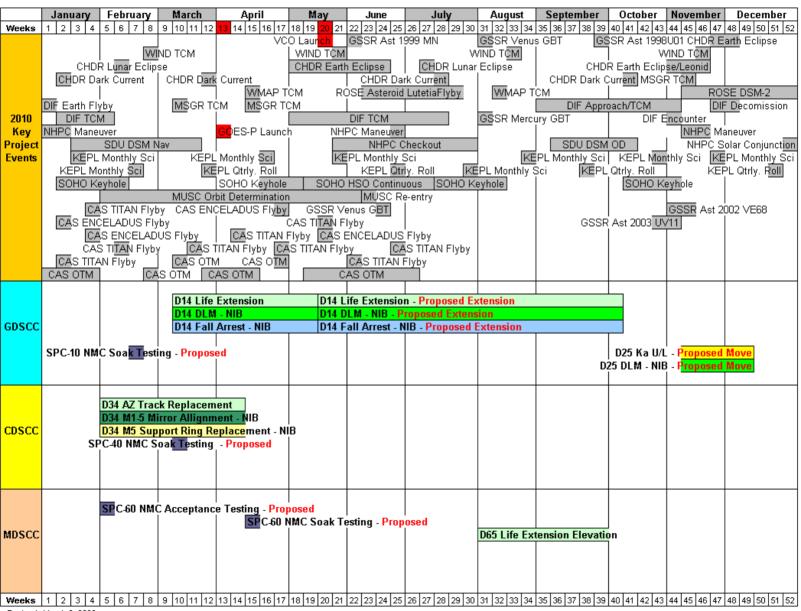
The following are downtimes for 2009 through 2010

- \square DSS-25 downtime for Ka U/L is scheduled for August 2 29, 2010 weeks 31 34.
 - ☐ This downtime is proposed to move to weeks 45-49, November 8 through December 12, 2010.
 - □ Depot Level Maintenance will be scheduled during this downtime.
- As a result of the reduction of downtime for DSS-43 & DSS-63 in 2008 & 2009, it is requested to recover that time in 2010 and 2011, local spring, summer or fall after DSS-14 RTS.
 - □ DSS-43 is proposed for November 2010 thru February 2011 after EPOXI encounter.
 - □ DSS-63 is proposed for April 4, through September 4 of 2011 weeks 14 35, after Messenger MOI.

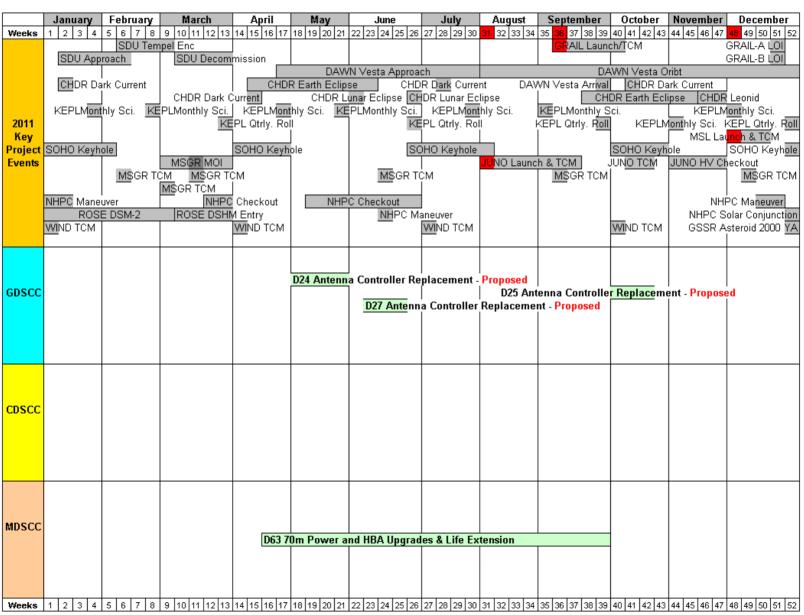
The following are downtimes for 2011 through 2013 (cont'd)

 BWG Antenna Controller Replacement is being requested starting in mid-April of 2011.
 Duration of the first antenna at each complex should be 4 weeks
 Duration of the second and subsequent antennas at each complex should be 3 weeks
 All BWG antenna at a complex should be completed before moving to the next complex
 Preferred first complex is GDSCC with DSS-24 being the first antenna and DSS-27 being the second
antenna
 Preferred first downtime at MDSCC should be DSS-54
Highly prefer that DSS-24 be completed prior to JUNO and MSL launches.
Tentative dates have been posted to the Gantt charts.
Question – can the ACR be scheduled before or during the AZ Track Replacement task?
☐ AZ Track Replacement is needed for DSS-24, 25, 26, 54 and 55 starting in 2012 in the spring
and fall, 1 per complex.
☐ Per conversation with Tim Sink, the following order of completion should be used – DSS-25, 26, 24 and
54. DSS-55 does not need the downtime right now. Will check later on when we need to do it.
☐ Proposing DSS-26 for February 27 through May 6, 2012, weeks 9 – 18
□ Proposing DSS-25 for August 27 through November 4, 2012 weeks 35 – 44.
Proposing DSS-54 for February 11 through April 21, 2013 weeks 7-16
☐ Proposing DSS-24 for September 2 through November 10, 2013 weeks 36-45

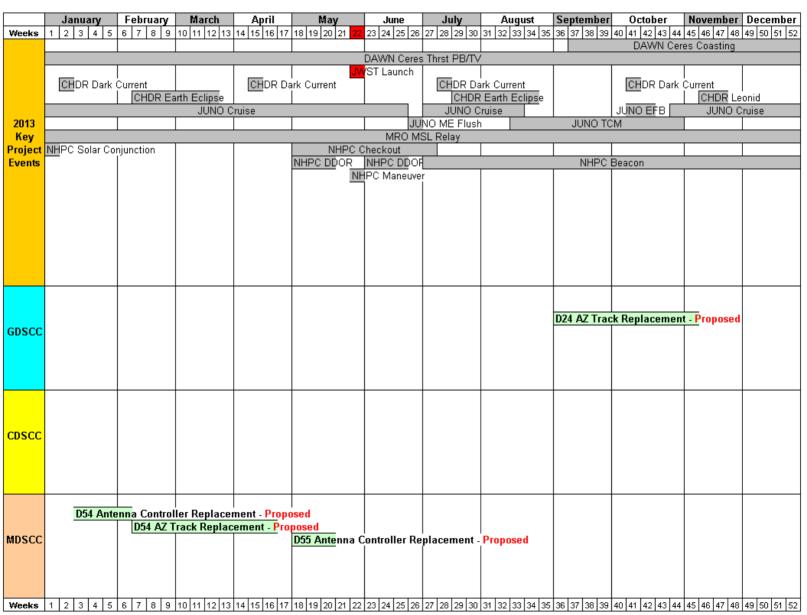




Antenna Downtime Proposed Moves 2011



	January	February	March	April	May	June	July	August	September	Ootobor	November	December
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2012												
Key	CHDR Da			CHDR Da	rk Current			rk Current			rk Cur <u>rent</u>	
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	NHPC Solar	Conjunction			MSL INST C			MSL EDI	_тсм		NHPC Sola	r Conjunction
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GDSCC	D26 AZ Track Replacement - Proposed D26 Antenna Controller Replacement - Proposed				D25 AZ Track Replacement - Proposed							
		DZO ANIE	nna Condonei 	Kepiacemei	it - Proposed							
						D34 Ante	nna Control	ı ler Replaceme	ı nt - Proposei	d d		
CDSCC								 		Ī		
	D43 70m Power and HBA Upgrades											
MDSCC												
Weeks	1 2 3 4	5 6 7 8	9 10 11 12 13	14 15 16 17	18 19 20 21 22	23 24 25 26	27 28 29 30	31 32 33 34 35	36 37 38 39	40 41 42 43	44 45 46 47 48	49 50 51 52



DSN Resource Implementation Planning Matrix by Subnet

			S-B	and	X-B	and	Ka-Band		Ka	
Complex	Station	Subnet	Down	Up	Down	Up	Down Up		Phase 2	
40	DSS-46	26M*	v	>	N/A	N/A	N/A	N/A	N/A	
10	DSS-27	34HSB	~	>	N/A	N/A	N/A	N/A	N/A	
10	DSS-24	34B1	>	>	>	>	N/A	N/A	TBD	
40	DSS-34	34B1	•	•	•	•	•	N/A	TBD	
60	DSS-54	34B1	v	>	>	>	*	N/A	09/27/09	
10	DSS-25	34B2	N/A	N/A	>	>	*	08/29/10	N/A	
10	DSS-26	34B2	N/A	N/A	•	•	•	N/A	N/A	
60	DSS-55	34B2	N/A	N/A	>	>	*	N/A	N/A	
10	DSS-15	34HEF	~	N/A	>	>	N/A	N/A	N/A	
40	DSS-45	34HEF	•	*	>	*	N/A	N/A	N/A	
60	DSS-65	34HEF	~	>	>	>	N/A	N/A	N/A	
10	DSS-14	70M	*	>	>	*	N/A	N/A	N/A	
40	DSS-43	70M	*	*	*	*	N/A	N/A	N/A	
60	DSS-63	70M	v	>	>	>	N/A	N/A	N/A	
N/A = Capability Not Planned xx/xx/xx = Capability Date Recently Change: As of: 03/02/09										
✓ ✓ = Capability Recently Exists ✓ = Capability Exists *= To Be Decommissioned										